BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work:-Improvements & Asphalting of road at St.Mary's School back side 1st cross L/s & R/s in Dasarahalli Ward No 15

			Est. Cost Rs				19.95	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-2. Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.152/I.19.2 PW, P & IWTD - SR 2013-14)	Cum							
	UGD Trench Cutting								
	St.Mary;s scl road 1st crs to dead End		1	135.00	1.00	0.30	40.50		
	St.Mary;s scl road 2nd crs to dead End		1	135.00	1.00	0.30	40.50		
	Cross road		1	54.30	1.00	0.30	16.29		
	Drain Excavation								
	St.Mary;s scl road 1st crs to dead End		2	135.00	0.60	0.50	81.00		
	St.Mary;s scl road 2nd crs to dead End		1	135.00	0.60	0.50	40.50		
	Cross road		2	54.30	0.60	0.50	32.58		
							251.37	90.72	**22804.00**
	Basic Rate	84.00							
	Add Area Weightage 8%	6.72							
	Total	**90.72**							
2	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. Specification No. KRBS 500-1 MORTH Chapter 5 **Page No. 175/ Item No. 21.2/ PWD SR 2013-14**	**Sqm**							
	St.Mary;s scl road 1st crs to dead End		1	135.00	5.00		675.0		
	St.Mary;s scl road 2nd crs to dead End		1	135.00	5.00		675.0		
	Cross road		1	54.30	5.00		271.5		
	Basic Rate	2.40					**1621.5**	**2.59**	**4200.00**
	Area Weightage 8%	0.19							
	Total	**2.59**							

3	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per Specifications.MORTH Specification No. 406 **Page No. 170/ Item No. 20.18/ PWD SR 2013-14**	**Cum**							
	St.Mary;s scl road 1st crs to dead End		8	4.50	0.60	0.20	4.32		
	St.Mary;s scl road 2nd crs to dead End		4	4.50	0.60	0.20	2.16		
	Cross road		3	4.50	0.60	0.20	1.62		
							8.11	**1121.04**	**9089.00**
	Basic Rate	1038.00							
	Area Weightage 8%	83.04							
	Total	**1121.04**							
4	KSRRB M500-15: Providing, laying and rolling with vibratory roller of built-up spray grout layer over prepared base consisting of a two layer composite construction of compacted crushed coarse aggregates using motor grader for aggregates. Key stone chips spreader may be used with application of bituminous binder after each layer, and with key aggregates placed on top of the second layer to serve as a base confirming to the line, grades and cross-section specified, the compacted layer thickness being 75mm Complete as per specifications. MORTH specification No. 506 **Page No.177/ Item No. 21.16/ PWD SR 2013-14**	**Sqm**							
	UGD Cuttings 1st Cross		1	30.00	1.00		30.00		
			1	30.00	1.00		30.00		
	2nd Cross		1	30.00	1.00		30.00		
			1	30.00	1.00		30.00		
			1	18.00	1.00		18.00		
			1	23.00	1.05		24.15		
						Total	**162.15**	**268.92**	**43605.00**
	Basic Rate	249.00							
	Area Weightage 8%	19.92							
	Total	**268.92**							

5	KSRRB 500-7: Providing and applying tack coat on the prepared black topped surfaces at 5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all Materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 **Page No. 176/ Item No. 21.8/ PWD SR 2013-14**	**Sqm**							
	UGD Cuttings 1st Cross		1	135.00	5.00		675.00		
	2nd Cross		1	135.00	5.00		675.00		
			1	54.30	5.00		271.50		
	Basic Rate	20.10					**1621.50**	**21.71**	**35203.00**
	Area Weightage 8%	1.61							
	Total	**21.71**							
6	KSRRB M500-17: Providing and laying **semi dense bituminous concrete 25mm thick** with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No. 500.8 complete in all respects as per specifications. With 80/100 grade bitumen using 40-60 HMP using Mechanical paver **Page No. 178/ Item No. 21.20.5/ PWD SR 2013-14**	**Cum**							
	UGD Cutting & Profile Correrction 1st Cross		1	135.00	2.00	0.025	6.75		
	2nd Cross		1	135.00	2.00	0.025	6.75		
	Cross road		1	30.00	2.00	0.025	1.50		
	Asphaltring for Road Portion								
	1st Cross		1	135.00	4.50	0.025	15.19		
	2nd Cross		1	135.00	4.50	0.025	15.19		
	Cross road		1	30.00	4.50	0.025	3.38		
	Basic Rate	9069.00					**48.64**	**9794.52**	**476454.0**
	Area Weightage 8%	725.52							
	Total	**9794.52**							
7	Carriage of Mixed Materials Page No. 186 Note PWD SR 2013-14			**Qty item no.6**			48.64	52.11	**2535.00**
	1st to2ndKM	5.75							
	2nd-5th KM	16.50							
	5th -10th KM	26.00							
		48.25							

	Area Weightage 8%	3.86							
	Total	**52.11**							
8	KSRRB M800-13. Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and lying of hot applied Thermoplastic Compound 2.5mm thick including Reflectrising Glass Beads at 250 gms per Sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803. Page No. 197/ Item No. 24.15/ S.R 2013-14								
	UGD Cutting & Profile Correrction 1st Cross		2	135.00	0.10		27.00		
	2nd Cross		1	135.00	0.10		13.50		
	Cross road		2	54.30	0.10		10.86		
							51.36	471.96	**24240.00**
	Basic Rate	437.00							
	Area Weightage 8%	34.96							
	Total	**471.96**							
9	Removing B.S.Slab of drain and stacking etc., complete Page No. 28/ Item No. 5.32/ PWD SR 2013-14	**Sqm**							
	1st Cross		2	90.00	1.20		216.00		
	2nd Cross R/s		1	90.00	1.20		108.00		
	Middle Cross road		2	15.00	1.20		36.00		
	Back Side Drain		1	8.50	1.20		10.20		
							369.79	50.11	**18531.00**
	Basic Rate	46.40							
	Add Area Weightage 8%	3.71							
	Total	**50.11**							
10	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2013-14)	Cum							
	St.Mary's Scl road 1st crs to dead End		2	135.00	0.45	0.15	18.22		
	St.Mary's Scl road 2nd crs to dead End L/s		1	135.00	0.45	0.15	9.11		

	Mid Cross road		2	37.20	0.45	0.15	5.02		
			1	20.00	0.80	0.15	2.40		
							34.67	4211.38	**146009.00**
	Basic Rate	3973.00							
	Add Area Weightage 6%	238.38							
	Total	**4211.38**							
11	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix M15 with OPC cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6) PW, P & IWTD - SR 2013-14)	Cum							
			2	135.00	0.45	0.10	12.15		
			1	135.00	0.45	0.10	6.08		
			2	37.20	0.45	0.10	3.35		
			1	20.00	0.80	0.10	1.60		
							23.11	4690.50	**108397.00**
	Basic Rate	4425.00							
	Add Area Weightage 6%	265.50							
	Total	**4690.50**							
12	Refixing stone slabs of drains and pointing in CM 1:3 etc complete Page No. 28/ Item No.5.33/ PWD SR 2013-14	**Sqm**							
	Qty Wide Iteam No 09						**369.79**		
	Cross						369.79	70.04	**25899.00**
	Basic Rate	64.85							
	Add Area Weightage 8%	5.19							
	Total	**70.04**							
13	Providing Granite slabs selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 7.5 thick (P. 27 I. 5.31.1) Page No. 28/ Item No. 5.31/ PWD SR 2013-14	**Sqm**							
	Missing Bits 1st Cross		2.00	46.00		1.20	**110.40**		
	2nd Crodd		1.00	46.00		1.20	**55.20**		
	Middle Cross road		2.00	25.00		1.20	**60.00**		
	Back Side drain		1.00	17.50		1.20	**21.00**		

	Basic Rate	318.00					246.53	343.44	**84668.00**
	Area Weightage 8%	25.44							
	Total	**343.44**							
14	Refixing stone slabs of drains and pointing in CM 1:3 etc complete Page No. 28/ Item No.5.33/ PWD SR 2013-14	**Sqm**							
		Qty Wide Iteam No 9+12					**739.58**		
		Qty Consider					**616.32**	70.04	**43166.00**
	Basic Rate	64.85							
	Add Area Weightage 8%	5.19							
	Total	**70.04**							
15	KSRB 5-14 : Providing and constructing precast **concrete solid blocks** with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size **40x20x20** cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 27/ Item No. 5.27/ PWD SR 2013-14**	**Sqm**							
			2x2	135.00	0.20		108.00		
			1x2	135.00	0.20		54.00		
			2x2	54.30	0.20		43.44		
							205.44	924.48	**189925.00**
	Basic Rate	856.00							
	Add Area Weightage 8%	68.48							
	Total	**924.48**							
16	Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.	Sqm							
			2	135.00	0.90		243.00		
			1	135.00	0.90		121.50		
			2	54.30	0.90		97.74		
	Data Rates Approved by CE DZ						**462.24**	1600.00	**739584.00**
17	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 …… Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading **Page No. 150 Item No. 17.1 PWD SR 2013-14**	Cum							

			Qty Vide Item No. 1				**251.37**	78.24	**19666.00**
	2 x 1.28 x 4 Kmtrs	10.24							
		62.20							
	Basic Rate	**72.44**							
	Add Area Weightage 8%	5.80							
	Total	**78.24**							
18	Miscellaneous and UnforessenCharges								**1024.00**
								Total	1995000.00
(Rupees. Nineteen Lakhs Ninty Five Thousand Only)									

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2013-14
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward-15

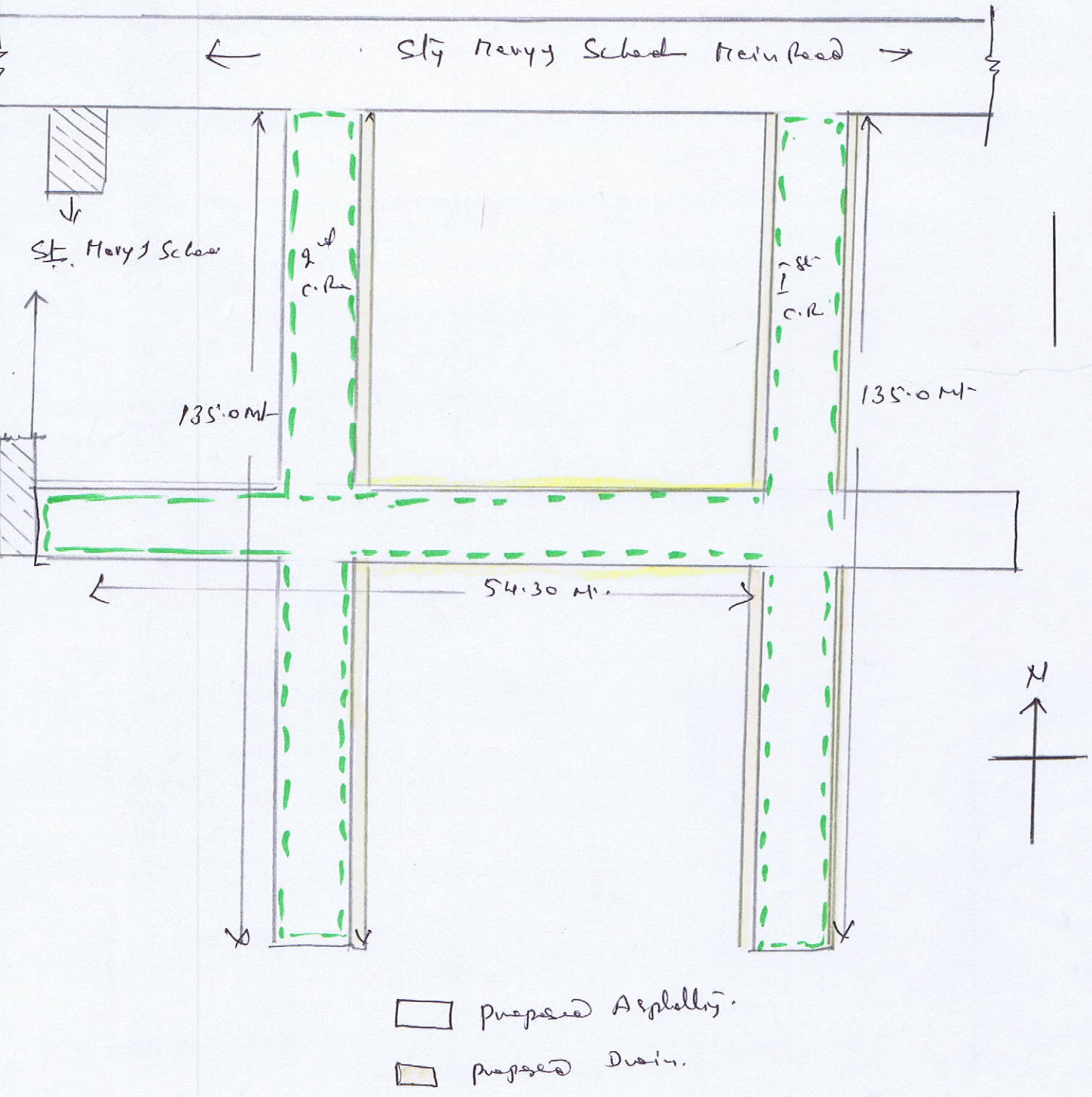
Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

ನಂ. JC(DH)/AS/293/13-14 ದಿನಾಂಕ 30/10/13
ರೂ. 19.95.Lakhs.
Nineteen Lakhs, Ninety Five thousand only
P.No-245
S.No-293
ಜಂಟಿ ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. EE/DD/TS/209/13-14 ದಿನಾಂಕ : 30/10/13
ರೂ. 19.95 Lacs
Nineteen Lacs Ninty Five Thousand
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
P.No-240
S.No-209
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

Name of work:- Improvements & Asphalting of road at St. Mary's School back side 1st cross 4s & Rs in Dasarahalli Ward No. 15.



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಜ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬಾಗಲಗುಂಟೆ, ಬೆಂಗಳೂರು - 560 073.